

Lecture - 07

Topic: Compound Interest

1. There is 60% increase in an amount in 6 years at simple interest. What will be the compound interest of Rs. 12,000 after 3 years at the same rate?
2. At the same rate of profit, if the compound principal of any amount of principal at end of one year is Tk. 6500 and at the end of two years is Tk. 6760, what was the principal?
3. An amount of money is invested in a savings account for two years. It increase by Tk.420 in two years after annual compounding at the rate of 10% per year. What is the amount, in Taka, invested initially?
4. Find out the amount of principal which amount of compound interest is 525 with 6% rate in the 4 years?
5. The difference in taka between simple & compound interest at 5% annually on a sum of Tk. 5000 after 2 years is?
6. The difference between a simple interest and annually compounded interest of a principal of 2 years at 8% interest rate is Tk. 12.80. What is the principal amount?
7. The difference between the compound & simple interest on a certain sum at 5% p.a. for 2 years is Tk. 1.50. The sum is?
8. A father divided his property between his two sons A and B. A invests the amount at compound interest of 8% per annum and B invests the amount at 10% per annum simple interest. At the end of 2 yr, the interest received by B is 1336 more than the interest received by A. Find the share of A in the father's property of Tk.25,000.
9. Find the interest rate of an investment of an BDT 50000 for 2 years where the difference between the amount of compound & simple interest is BDT 720?